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OM protein - protein search, using sw model

Run on: June 25, 2003, 14:55:36 ; Search time 16.5271 Seconds
(without alignments)
680.911 Million cell updates/sec

Title: US-09-622-613B-4

Perfect score: 579
Sequence: 1 QDMITFOKKHLNTRDVCN.....TFCVTCENQAPVHFVGVGHC 104

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_AA:*

1: /cgn2_6/ptodata/1/pubppa/US08_NEW_PUB.pep:*
2: /cgn2_6/ptodata/1/pubppa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubppa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubppa/US07_NEW_PUB.pep:*
5: /cgn2_6/ptodata/1/pubppa/US07_PUBCOMB.pep:*
6: /cgn2_6/ptodata/1/pubppa/US07_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubppa/US07_PUBCOMB.pep:*
8: /cgn2_6/ptodata/1/pubppa/US08_NEW_PUB.pep:*
9: /cgn2_6/ptodata/1/pubppa/US08_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubppa/US09_NEW_PUB.pep:*
11: /cgn2_6/ptodata/1/pubppa/US10_NEW_PUB.pep:*
12: /cgn2_6/ptodata/1/pubppa/US10_PUBCOMB.pep:*
13: /cgn2_6/ptodata/1/pubppa/US60_NEW_PUB.pep:*
14: /cgn2_6/ptodata/1/pubppa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	579	100.0	104	9	US-09-948-391A-4
2	570	98.4	105	9	US-09-948-391A-8
3	570	98.4	111	9	US-09-948-391A-9
4	569	98.3	105	9	US-09-948-391A-6
5	569	98.3	127	9	US-09-948-391A-28
6	564	97.4	104	9	US-09-948-391A-11
7	564	97.4	105	9	US-09-948-391A-13
8	560	96.7	104	9	US-09-948-391A-2
9	547	94.5	105	9	US-10-153-882-2
10	542	93.6	104	9	US-09-986-119-1
11	436	75.3	83	9	US-09-986-119-3
12	276.5	47.8	111	9	US-09-948-391A-21
13	276.5	47.8	117	9	US-09-948-391A-22
14	275.5	46.7	110	9	US-09-948-391A-15
15	270.5	46.7	110	9	US-09-948-391A-19
16	270.5	46.7	110	9	US-09-948-391A-24
17	270.5	46.7	111	9	US-09-948-391A-26
18	269.5	46.5	111	9	US-09-948-391A-17
19	153.5	26.5	169	12	US-10-016-447-2

20	120.5	20.8	124	12	US-10-016-447-5	Sequence 5, Appl
21	108	18.7	124	9	US-09-981-286A-8	Sequence 8, Appl
22	106	18.3	147	10	US-09-286-240-6	Sequence 6, Appl
23	106	18.3	147	10	US-09-863-777-2	Sequence 2, Appl
24	106	18.3	147	10	US-09-731-872-254	Sequence 254, App
25	90.5	15.6	131	12	US-10-016-447-6	Sequence 6, Appl
26	84.5	14.6	156	9	US-09-796-753-102	Sequence 102, App
27	84.5	14.6	156	9	US-09-796-753-118	Sequence 118, App
28	84.5	14.6	156	9	US-10-245-103-60	Sequence 60, Appl
29	84.5	14.6	156	9	US-10-245-107-60	Sequence 60, Appl
30	84.5	14.6	156	9	US-10-245-143-60	Sequence 60, Appl
31	84.5	14.6	156	9	US-10-245-171-60	Sequence 60, Appl
32	84.5	14.6	156	9	US-10-245-851-60	Sequence 60, Appl
33	84.5	14.6	156	9	US-10-245-883-60	Sequence 60, Appl
34	84.5	14.6	156	9	US-10-237-535-60	Sequence 60, Appl
35	84.5	14.6	156	9	US-10-238-183-60	Sequence 60, Appl
36	84.5	14.6	156	9	US-10-238-283-60	Sequence 60, Appl
37	84.5	14.6	156	9	US-10-238-370-60	Sequence 60, Appl
38	84.5	14.6	156	9	US-10-245-055-60	Sequence 60, Appl
39	84.5	14.6	156	9	US-10-245-147-60	Sequence 60, Appl
40	84.5	14.6	156	9	US-10-245-730-60	Sequence 60, Appl
41	84.5	14.6	156	9	US-10-245-739-60	Sequence 60, Appl
42	84.5	14.6	156	9	US-10-246-210-60	Sequence 60, Appl
43	84.5	14.6	156	9	US-10-239-196-60	Sequence 60, Appl
44	84.5	14.6	156	9	US-10-243-024-60	Sequence 60, Appl
45	84.5	14.6	156	9	US-10-243-409-60	Sequence 60, Appl

ALIGNMENTS

RESULT 1

US-09-948-391A-4
Sequence 4, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
DEPARTMENT OF Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 4
LENGTH: 104
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
OTHER INFORMATION: ribonuclease with Met23leu substitution
OTHER INFORMATION: (recombinant RapRI Met23leu)
US-09-948-391A-4

Query Match 100.0%; Score 579; DB 9; Length 104;
Best Local Similarity 100.0%; Pred. No. 1e-56;
Matches 104; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QDMITFOKKHLNTRDVCNIIITNLFHKDKNTFYSPDPYKATCKIISKNVLT 60
DB 1 QDMITFOKKHLNTRDVCNIIITNLFHKDKNTFYSPDPYKATCKIISKNVLT 60
QY 61 FEFYLSDCNVTSRCKYKLRKSTNFTFCVTCENQAPVHFVGVGHC 104
|||||

Db 61 FEFYLSDCNVTSRPCKYKLLKKSNTFCVTGCENAPVHFVGVC 104

RESULT 2
US-09-948-391A-8
Sequence 8, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948.391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 8
LENGTH: 105
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
ribonuclease with Met at position 1 and Met24Leu
OTHER INFORMATION: substitution (recombinant Met(-1) RapR1 Met23Leu)
US-09-948-391A-8

Query Match 98.4% Score 570; DB 9; Length 105;
Best Local Similarity 99.0%; Pred. No. 1e-55;
Matches 103; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 60
|||||
Db 2 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 61
|||||

QY 61 FEFYLSDCNVTSRPCKYKLLKKSNTFCVTGCENAPVHFVGVC 104
|||||
Db 62 FEFYLSDCNVTSRPCKYKLLKKSNTFCVTGCENAPVHFVGVC 105
|||||

RESULT 3
US-09-948-391A-9
Sequence 9, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948.391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 9
LENGTH: 111
TYPE: PRT

ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
ribonuclease with (His)6 tag, Met at position 7
OTHER INFORMATION: ribonuclease with Met at position 1 (recombinant Met(-1)
OTHER INFORMATION: RapR1 Met23Leu (His)6
US-09-948-391A-9

Query Match 98.4% Score 570; DB 9; Length 111;
Best Local Similarity 99.0%; Pred. No. 1e-55;
Matches 103; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 60
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Db 8 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 67
|||||

QY 61 FEFYLSDCNVTSRPCKYKLLKKSNTFCVTGCENAPVHFVGVC 104
|||||
Db 68 FEFYLSDCNVTSRPCKYKLLKKSNTFCVTGCENAPVHFVGVC 111
|||||

RESULT 4
US-09-948-391A-6
Sequence 6, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948.391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
LENGTH: 105
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
ribonuclease with Met at position 1 (recombinant
OTHER INFORMATION: Met(-1) RapR1)
US-09-948-391A-6

Query Match 98.3% Score 569; DB 9; Length 105;
Best Local Similarity 98.1%; Pred. No. 1.3e-55;
Matches 102; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 60
|||||
Db 2 QDWLTFQKKHLNTRDVCNNILSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 61
|||||

QY 61 FEFYLSDCNVTSRPCKYKLLKKSNTFCVTGCENAPVHFVGVC 104
|||||
Db 62 SEFYLSDCNVTSRPCKYKLLKKSNTFCVTGCENAPVHFVGVC 105
|||||

RESULT 5
US-09-948-391A-28
Sequence 28, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.

APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 127
TYPE: PRT
ORGANISM: Rana pipiens
FEATURE:
OTHER INFORMATION: Rana pipiens ribonuclease (RapLRL) Clone 5a1b cDNA
US-09-948-391A-28

Query Match 98.3%; Score 569; DB 9; Length 127;
Best Local Similarity 98.1%; Pred. No. 1.6e-55;
Matches 102; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 DMLTFQKKHLNTRDVCNNIISTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLTTF 60
|||||
Db 24 DMLTFQKKHLNTRDVCNNIISTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLTTF 83

QY 61 EFYLSDCNVTSRPCKYKLLKSTNTPCVTCENQAPVHFVGHC 104
|||||
Db 84 EFYLSDCNVTSRPCKYKLLKSTNTPCVTCENQAPVHFVGHC 127

RESULT 6
US-09-948-391A-11
Sequence 11, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 11
LENGTH: 104
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
OTHER INFORMATION: ribonuclease with Glu1ser substitution
OTHER INFORMATION: (recombinant RapLRL Q1S)
US-09-948-391A-11

Query Match 97.4%; Score 564; DB 9; Length 104;
Best Local Similarity 98.1%; Pred. No. 4.6e-55;
Matches 101; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 DMLTFQKKHLNTRDVCNNIISTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLTTF 61
|||||
Db 2 DMLTFQKKHLNTRDVCNNIISTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLTTF 61

QY 62 EFYLSDCNVTSRPCKYKLLKSTNTPCVTCENQAPVHFVGHC 104
|||||
Db 62 EFYLSDCNVTSRPCKYKLLKSTNTPCVTCENQAPVHFVGHC 104

RESULT 7
US-09-948-391A-13
Sequence 13, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 13
LENGTH: 105
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
OTHER INFORMATION: ribonuclease with Met at position 1 and Glu2ser
OTHER INFORMATION: substitution (recombinant Met(-1) RapLRL Q1S)
US-09-948-391A-13

Query Match 97.4%; Score 564; DB 9; Length 105;
Best Local Similarity 98.1%; Pred. No. 4.7e-55;
Matches 101; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 DMLTFQKKHLNTRDVCNNIISTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLTTF 61
|||||
Db 3 DMLTFQKKHLNTRDVCNNIISTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLTTF 62

QY 62 EFYLSDCNVTSRPCKYKLLKSTNTPCVTCENQAPVHFVGHC 104
|||||
Db 63 EFYLSDCNVTSRPCKYKLLKSTNTPCVTCENQAPVHFVGHC 105

RESULT 8
US-09-948-391A-2
Sequence 2, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613

ADDRESS: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/986,119
FILING DATE: 07-NOV-2002
CLASSIFICATION: <unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/071,672
FILING DATE: 01-MAY-1998
APPLICATION NUMBER: US 60/046,895
FILING DATE: 02-MAY-1997

ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen Laufer
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 015280-3251005
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 83 amino acids
TYPE: amino acid
STRANDEDNESS: <unknown>
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..83
OTHER INFORMATION: /note="onc protein", positions 16-98
of SEQ ID NO:1"

SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-986-119-3

Query Match
Best Local Similarity 75.3%; Score 436; DB 9; Length 83;
Matches 79; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 16 DVCNNILSTNLFHCKDKNTFTYSPREPKAICKGIASKNVLTFFEYLSDCNVTSPRC 75
DB 1 DVCDDNIMSTNLFHCKDKNTFTYSPREPKAICKGIASKNVLTSEFYLSDCNVTSPRC 60

QY 76 KYKLKSTNFCVTCENQAPVHF 98
DB 61 KYKLKSTNFCVTCENQAPVHF 83

RESULT 12
US-09-948-391A-21
Sequence 21, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT FILING DATE: 2002-05-10
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26

PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 21
LENGTH: 111
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
catesbeiana ribonuclease with Met at position 1,
OTHER INFORMATION: Met23Leu and Met58Leu substitutions (recombinant
OTHER INFORMATION: Met(-1) RacOR1 Met22Leu Met57Leu)
US-09-948-391A-21

Query Match
Best Local Similarity 47.8%; Score 276.5; DB 9; Length 111;
Matches 55; Conservative 14; Mismatches 33; Indels 9; Gaps 4;

QY 1 ODWLTFORKHLTNFEDVCCNNILSTNLF---HCKDKNTFTYSPREPKAICKGIASKN 56
DB 2 ONMATFOCKHILNT-PIICNTILDNNIYIVGGQCKRVNTFTISSATYKAICTGYI-ILN 59

QY 57 VLTTFEYLSDC---NVTSPRCYKYLKSTNFCVTCENQAPVHFVGVGHC 104
DB 60 VLTSTRFOLNCTRTSITPRCPYSSRFTETNYICVCKENQYVHFVAGIGRC 110

RESULT 13
US-09-948-391A-22
Sequence 22, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT FILING DATE: 2002-05-10
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR APPLICATION NUMBER: US 09/622,613
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 22
LENGTH: 117
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
catesbeiana ribonuclease with (His)6 tag, Met at
OTHER INFORMATION: position 7, Met23Leu and Met58Leu substitutions
OTHER INFORMATION: (recombinant Met(-1) RacOR1 Met22Leu Met57Leu-(His)6)
US-09-948-391A-22

Query Match
Best Local Similarity 47.8%; Score 276.5; DB 9; Length 117;
Matches 55; Conservative 14; Mismatches 33; Indels 9; Gaps 4;

QY 1 ODWLTFORKHLTNFEDVCCNNILSTNLF---HCKDKNTFTYSPREPKAICKGIASKN 56
DB 8 ONMATFOCKHILNT-PIICNTILDNNIYIVGGQCKRVNTFTISSATYKAICTGYI-ILN 65

QY 57 VLTTFEYLSDC---NVTSPRCYKYLKSTNFCVTCENQAPVHFVGVGHC 104
DB 66 VLTSTRFOLNCTRTSITPRCPYSSRFTETNYICVCKENQYVHFVAGIGRC 116

